

## UNIVERSITY OF LOUISIANA AT LAFAYETTE

### GEOLOGY 108: HISTORICAL GEOLOGY LAB, Fall 2009

Carl Richter (MDSN 236; 337-482-5353; [richter@louisiana.edu](mailto:richter@louisiana.edu))

Lauren Salathe (MDSN 231; [lcs3871@louisiana.edu](mailto:lcs3871@louisiana.edu))

Class meets: M 3.00 pm – 4.50 pm

Office Hours: MTWRF: 9 - 11 am, or by appointment

#### **Course description**

This 1-credit course is the equivalent to the laboratory portion of the four-credit hour course Geology 112, Historical Geology. The aim of this course is to use hands-on activities to reinforce and expand upon the material covered in the historical geology lecture section.

This course meets weekly for two hours. Attendance at all class meetings is required. The instructor will give a short lecture introducing the lab material at the beginning of each class session. Therefore, it is important that you arrive on time to class. If you come late, you will miss important instructions. After the instructions have been given, you will work alone or in groups at your own pace. When you have finished the assigned exercise and turned in your work, you may leave.

You should always bring the following materials to lab:

- A pencil, pen, and/or colored pencils
- Your lab manual, contained in a 3-ring binder
- A notebook containing your lab assignments, notes, and blank paper
- A straight edge (ruler, protractor, etc.)
- A calculator

The lab is open-book and collaborative. You are free to work with classmates if you wish.

Ask questions and we will help you, but we will not do your work for you. The work you hand in must be your own. Do not simply copy answers from someone else's sheets. Cheating is NOT acceptable!

#### **Lab Manual**

**Interpreting Erath History** (McGraw-Hill) by Morris Petersen and Keith Rigby 6<sup>th</sup> Edition

**Prerequisite/Corequisite:** Students must have completed Earth History (Geol 106), or take it at the same time.

#### **Grading**

The final grade is determined by the average of all lab assignments and based on the following scale:

90 - 100 = A

80 - 89.9 = B

70 - 79.9 = C

60 - 69.9 = D

below 60 = F

**Scholastic Dishonesty:** You are responsible for familiarizing yourself with the student handbook, the undergraduate Bulletin and the code of academic honesty. **The penalties for cheating in any form are severe**, and may include an F for the assignment, an F for the course, or even suspension from the University. If you are in doubt as to whether something is permitted, **ask**.

**Emergency evacuation:** In the event of an emergency that requires evacuation of the class room, leave by the side doors and follow the emergency escape route which is posted by the stairs. These instructions indicate a Designated Rescue Area where emergency service personnel will go first to look for individuals who need assistance in exiting the building. Do not take the elevator. Students who may need assistance should identify themselves to the teaching faculty.

**Disabilities:** Students with disabilities who believe they may need accommodations in this class are urged to contact Services for Students with Disabilities, 126 Conference Center (482-5252), as soon as possible to ensure that such accommodations are received in a timely manner. Accommodation letters from SSD MUST be presented to faculty in order to receive accommodation.

**Important academic dates/deadlines:** September 7: Labor Day; October 1-2: Fall Break; October 15: Last day to drop with W; November 26-27: Thanksgiving.

**TENTATIVE LAB SCHEDULE**

<b>Week</b>	<b>Date</b>	<b>Topic</b>	<b>Lab</b>
Week 1	8/24	Introduction/Syllabus	
Week 2	8/31	Uniformity	2
Week 3	9/14	Subdivision of the Rock Column	3
Week 4	9/21	Physical Correlation	4
Week 5	9/28	Facies Relationships	5
Week 6	10/5	Relative Dating	6
Week 7	10/12	Radiometric Dating	7
Week 8	10/19	Fossils and Fossilization	9
Week 9	10/26	Fossil Classification	10
Week 10	11/2	Evolution	11
Week 11	11/9	Biostratigraphy	13
Week 12	11/16	Dinosaurs	14
Week 13	11/23	Geologic maps	15
Week 14	11/30	Canadian Shield	16